Eric E Schadt

List of Publications by Year in Descending Order

297 papers	47,034 citations	90 h-index	216 g-index
326 ext. papers	58,814 ext. citations	14.4 avg, IF	6.89 L-index

#	Paper	IF	Citations
297	A mechanistic framework for cardiometabolic and coronary artery diseases **2022**, 1, 85-100		5
296	Targeted Next-Generation Sequencing Reveals Exceptionally High Rates of Molecular Driver Mutations in Never-Smokers With Lung Adenocarcinoma.. *Oncologist*, **2022**,	5.7	2
295	Integrative network analysis of early-stage lung adenocarcinoma identifies aurora kinase inhibition as interceptor of invasion and progression.. *Nature Communications*, **2022**, 13, 1592	17.4	1
294	An integrated taxonomy for monogenic inflammatory bowel disease. *Gastroenterology*, **2021**,	13.3	4
293	A Drosophila platform identifies a novel, personalized therapy for a patient with adenoid cystic carcinoma. *IScience*, **2021**, 24, 102212	6.1	4
292	Rare Germline Pathogenic Variants Identified by Multigene Panel Testing and the Risk of Aggressive Prostate Cancer. *Cancers*, **2021**, 13,	6.6	1
291	Bayesian Model Infers Drug Repurposing Candidates for Treatment of COVID-19. *Applied Sciences (Switzerland)*, **2021**, 11, 2466	2.6	0
290	Haploinsufficiency of POU4F1 causes an ataxia syndrome with hypotonia and intention tremor. *Human Mutation*, **2021**, 42, 685-693	4.7	
289	Discovery and fine-mapping of height loci via high-density imputation of GWASs in individuals of African ancestry. *American Journal of Human Genetics*, **2021**, 108, 564-582	11	7
288	Myeloid Cell-associated Resistance to PD-1/PD-L1 Blockade in Urothelial Cancer Revealed Through Bulk and Single-cell RNA Sequencing. *Clinical Cancer Research*, **2021**, 27, 4287-4300	12.9	9
287	A composite biomarker of neutrophil-lymphocyte ratio and hemoglobin level correlates with clinical response to PD-1 and PD-L1 inhibitors in advanced non-small cell lung cancers. *BMC Cancer*, **2021**, 21, 441	4.8	7
286	Phenotyping of clinical trial eligibility text from cancer studies into computable criteria in electronic health records.. *Journal of Clinical Oncology*, **2021**, 39, 6592-6592	2.2	
285	Detecting and phasing minor single-nucleotide variants from long-read sequencing data. *Nature Communications*, **2021**, 12, 3032	17.4	6
284	Extracting longitudinal anticancer treatments at scale using deep natural language processing and temporal reasoning.. *Journal of Clinical Oncology*, **2021**, 39, e18747-e18747	2.2	
283	Analyzing treatment patterns and time to the next treatment in chronic lymphocytic leukemia real-world data using automated temporal phenotyping.. *Journal of Clinical Oncology*, **2021**, 39, e19512-e19512	2.2	0
282	Continuous genomic monitoring of multiple myeloma patients to identify patients of high risk for poor prognosis.. *Journal of Clinical Oncology*, **2021**, 39, e20035-e20035	2.2	
281	Effect of APOE and a polygenic risk score on incident dementia and cognitive decline in a healthy older population. *Aging Cell*, **2021**, 20, e13384	9.9	3

280	IL10RB as a key regulator of COVID-19 host susceptibility and severity **2021**,		2
279	Genetic variants associated with inherited cardiovascular disorders among 13,131 asymptomatic older adults of European descent. *Npj Genomic Medicine*, **2021**, 6, 51	6.2	3
278	Genomic Risk Prediction for Breast Cancer in Older Women. *Cancers*, **2021**, 13,	6.6	1
277	Intestinal Inflammation Modulates the Expression of ACE2 and TMPRSS2 and Potentially Overlaps With the Pathogenesis of SARS-CoV-2-related Disease. *Gastroenterology*, **2021**, 160, 287-301.e20	13.3	50
276	Transformative Network Modeling of Multi-omics Data Reveals Detailed Circuits, Key Regulators, and Potential Therapeutics for Alzheimer's Disease. *Neuron*, **2021**, 109, 257-272.e14	13.9	29
275	A Noncoding Variant Near PPP1R3B Promotes Liver Glycogen Storage and MetS, but Protects Against Myocardial Infarction. *Journal of Clinical Endocrinology and Metabolism*, **2021**, 106, 372-387	5.6	3
274	Network study of nasal transcriptome profiles reveals master regulator genes of asthma. *Journal of Allergy and Clinical Immunology*, **2021**, 147, 879-893	11.5	8
273	AKI in Hospitalized Patients with COVID-19. *Journal of the American Society of Nephrology: JASN*, **2021**, 32, 151-160	12.7	225
272	Molecular subtyping of Alzheimer's disease using RNA sequencing data reveals novel mechanisms and targets. *Science Advances*, **2021**, 7,	14.3	39
271	An integrative multiomic network model links lipid metabolism to glucose regulation in coronary artery disease. *Nature Communications*, **2021**, 12, 547	17.4	12
270	Polygenic risk score for alcohol drinking behavior improves prediction of inflammatory bowel disease risk. *Human Molecular Genetics*, **2021**, 30, 514-523	5.6	0
269	A Molecular network approach reveals shared cellular and molecular signatures between chronic fatigue syndrome and other fatiguing illnesses **2021**,		2
268	A proteogenomic portrait of lung squamous cell carcinoma. *Cell*, **2021**, 184, 4348-4371.e40	56.2	15
267	Downregulation of exhausted cytotoxic T cells in gene expression networks of multisystem inflammatory syndrome in children. *Nature Communications*, **2021**, 12, 4854	17.4	12
266	Prognostic value of polygenic risk scores for adults with psychosis. *Nature Medicine*, **2021**, 27, 1576-1581	50.5	7
265	Molecular Characterization of Limited Ulcerative Colitis Reveals Novel Biology and Predictors of Disease Extension. *Gastroenterology*, **2021**, 161, 1953-1968.e15	13.3	2
264	Deep Analysis of the Peripheral Immune System in IBD Reveals New Insight in Disease Subtyping and Response to Monotherapy or Combination Therapy. *Cellular and Molecular Gastroenterology and Hepatology*, **2021**, 12, 599-632	7.9	2
263	Population-based estimates of breast cancer risk for carriers of pathogenic variants identified by gene-panel testing. *Npj Breast Cancer*, **2021**, 7, 153	7.8	1

262	A consensus proteomic analysis of Alzheimer's disease brain and cerebrospinal fluid reveals early changes in energy metabolism associated with microglia and astrocyte activation. *Alzheimeris and Dementia*, **2020**, 16, e039504	1.2	
261	Familial Hypercholesterolemia in a Healthy Elderly Population. *Circulation Genomic and Precision Medicine*, **2020**, 13, e002938	5.2	2
260	A reference profile-free deconvolution method to infer cancer cell-intrinsic subtypes and tumor-type-specific stromal profiles. *Genome Medicine*, **2020**, 12, 24	14.4	12
259	Genomic analyses implicate noncoding de novo variants in congenital heart disease. *Nature Genetics*, **2020**, 52, 769-777	36.3	33
258	Medically actionable pathogenic variants in a population of 13,131 healthy elderly individuals. *Genetics in Medicine*, **2020**, 22, 1883-1886	8.1	10
257	Systems modeling of white matter microstructural abnormalities in Alzheimer's disease. *NeuroImage: Clinical*, **2020**, 26, 102203	5.3	5
256	Intratumoral heterogeneity and clonal evolution in liver cancer. *Nature Communications*, **2020**, 11, 291	17.4	102
255	Altering Sphingolipid Metabolism Attenuates Cell Death and Inflammatory Response After Myocardial Infarction. *Circulation*, **2020**, 141, 916-930	16.7	32
254	VGF-derived peptide TLQP-21 modulates microglial function through C3aR1 signaling pathways and reduces neuropathology in 5xFAD mice. *Molecular Neurodegeneration*, **2020**, 15, 4	19	27
253	Comparison of brain connectomes by MRI and genomics and its implication in Alzheimer's disease. *BMC Medicine*, **2020**, 18, 23	11.4	1
252	Large-scale proteomic analysis of Alzheimer's disease brain and cerebrospinal fluid reveals early changes in energy metabolism associated with microglia and astrocyte activation. *Nature Medicine*, **2020**, 26, 769-780	50.5	226
251	Integrative study of the upper and lower airway microbiome and transcriptome in asthma. *JCI Insight*, **2020**, 5,	9.9	19
250	Predictive network modeling in human induced pluripotent stem cells identifies key driver genes for insulin responsiveness. *PLoS Computational Biology*, **2020**, 16, e1008491	5	7
249	Machine Learning to Predict Mortality and Critical Events in a Cohort of Patients With COVID-19 in New York City: Model Development and Validation. *Journal of Medical Internet Research*, **2020**, 22, e24018	7.6	82
248	Lessons learned from expanded reproductive carrier screening in self-reported Ashkenazi, Sephardi, and Mizrahi Jewish patients. *Molecular Genetics & Genomic Medicine*, **2020**, 8, e1053	2.3	9
247	A New Liver Expression Quantitative Trait Locus Map From 1,183 Individuals Provides Evidence for Novel Expression Quantitative Trait Loci of Drug Response, Metabolic, and Sex-Biased Phenotypes. *Clinical Pharmacology and Therapeutics*, **2020**, 107, 1383-1393	6.1	10
246	Dual transcriptomic and epigenomic study of reaction severity in peanut-allergic children. *Journal of Allergy and Clinical Immunology*, **2020**, 145, 1219-1230	11.5	21
245	Very Early Onset Inflammatory Bowel Disease: A Clinical Approach With a Focus on the Role of Genetics and Underlying Immune Deficiencies. *Inflammatory Bowel Diseases*, **2020**, 26, 820-842	4.5	40

244	Epigenomic characterization of Clostridioides difficile finds a conserved DNA methyltransferase that mediates sporulation and pathogenesis. *Nature Microbiology*, **2020**, 5, 166-180	26.6	36
243	Sex differences in human adipose tissue gene expression and genetic regulation involve adipogenesis. *Genome Research*, **2020**, 30, 1379-1392	9.7	9
242	Aberrant methylation underlies insulin gene expression in human insulinoma. *Nature Communications*, **2020**, 11, 5210	17.4	2
241	Large eQTL meta-analysis reveals differing patterns between cerebral cortical and cerebellar brain regions. *Scientific Data*, **2020**, 7, 340	8.2	26
240	Meta-Analysis of the Alzheimer's Disease Human Brain Transcriptome and Functional Dissection in Mouse Models. *Cell Reports*, **2020**, 32, 107908	10.6	68
239	Integrated Proteogenomic Characterization across Major Histological Types of Pediatric Brain Cancer. *Cell*, **2020**, 183, 1962-1985.e31	56.2	45
238	Multiscale causal networks identify VGF as a key regulator of Alzheimer's disease. *Nature Communications*, **2020**, 11, 3942	17.4	28
237	Sampling the host response to SARS-CoV-2 in hospitals under siege. *Nature Medicine*, **2020**, 26, 1157-1158	50.5	8
236	An inflammatory cytokine signature predicts COVID-19 severity and survival. *Nature Medicine*, **2020**, 26, 1636-1643	50.5	895
235	Human geroprotector discovery by targeting the converging subnetworks of aging and age-related diseases. *GeroScience*, **2020**, 42, 353-372	8.9	24
234	Prevalence and disease predisposition of p.A91V perforin in an aged population of European ancestry. *Blood*, **2020**, 135, 582-584	2.2	2
233	Integrative transcriptome imputation reveals tissue-specific and shared biological mechanisms mediating susceptibility to complex traits. *Nature Communications*, **2019**, 10, 3834	17.4	28
232	Single-Cell Analysis of Crohn's Disease Lesions Identifies a Pathogenic Cellular Module Associated with Resistance to Anti-TNF Therapy. *Cell*, **2019**, 178, 1493-1508.e20	56.2	219
231	Discovering genetic interactions bridging pathways in genome-wide association studies. *Nature Communications*, **2019**, 10, 4274	17.4	26
230	A Network Analysis of Multiple Myeloma Related Gene Signatures. *Cancers*, **2019**, 11,	6.6	16
229	Functional interpretation of genetic variants using deep learning predicts impact on chromatin accessibility and histone modification. *Nucleic Acids Research*, **2019**, 47, 10597-10611	20.1	14
228	Biology and Bias in Cell Type-Specific RNAseq of Nucleus Accumbens Medium Spiny Neurons. *Scientific Reports*, **2019**, 9, 8350	4.9	11
227	Contribution of Gene Regulatory Networks to Heritability of Coronary Artery Disease. *Journal of the American College of Cardiology*, **2019**, 73, 2946-2957	15.1	28

226	A personalized platform identifies trametinib plus zoledronate for a patient with KRAS-mutant metastatic colorectal cancer. *Science Advances*, **2019**, 5, eaav6528	14.3	35
225	ORE identifies extreme expression effects enriched for rare variants. *Bioinformatics*, **2019**, 35, 3906-3912	7.2	3
224	Predispositional genome sequencing in healthy adults: design, participant characteristics, and early outcomes of the PeopleSeq Consortium. *Genome Medicine*, **2019**, 11, 10	14.4	22
223	Differential activity of transcribed enhancers in the prefrontal cortex of 537 cases with schizophrenia and controls. *Molecular Psychiatry*, **2019**, 24, 1685-1695	15.1	20
222	Integrative analysis of loss-of-function variants in clinical and genomic data reveals novel genes associated with cardiovascular traits. *BMC Medical Genomics*, **2019**, 12, 108	3.7	5
221	Structural variation at the CYP2C locus: Characterization of deletion and duplication alleles. *Human Mutation*, **2019**, 40, e37-e51	4.7	8
220	Integrated Proteogenomic Characterization of Clear Cell Renal Cell Carcinoma. *Cell*, **2019**, 179, 964-983.e31	36.2	173
219	Investigating racial differences in treatment responses through analysis of real-world data (RWD).. *Journal of Clinical Oncology*, **2019**, 37, e18141-e18141	2.2	
218	Analysis of real-world data (RWD) on treatment (tx) sequencing in patients with advanced non-small cell lung cancer (aNSCLC).. *Journal of Clinical Oncology*, **2019**, 37, e20642-e20642	2.2	
217	Inching towards precision medicine for multiple myeloma with causal network models.. *Journal of Clinical Oncology*, **2019**, 37, e19526-e19526	2.2	
216	A phase I study of the safety and immunogenicity of a multi-peptide personalized genomic vaccine in the adjuvant treatment of solid tumors and hematological malignancies.. *Journal of Clinical Oncology*, **2019**, 37, e14307-e14307	2.2	2
215	Inferring Causal Associations between Genes and Disease via the Mapping of Expression Quantitative Trait Loci **2019**, 697-38		1
214	A Complete Genome Screening Program of Clinical Methicillin-Resistant Staphylococcus aureus Isolates Identifies the Origin and Progression of a Neonatal Intensive Care Unit Outbreak. *Journal of Clinical Microbiology*, **2019**, 57,	9.7	6
213	High-Throughput Identification of the Plasma Proteomic Signature of Inflammatory Bowel Disease. *Journal of Crohnis and Colitis*, **2019**, 13, 462-471	1.5	6
212	CDT2-controlled cell cycle reentry regulates the pathogenesis of Alzheimer's disease. *Alzheimeris and Dementia*, **2019**, 15, 217-231	1.2	17
211	Deciphering bacterial epigenomes using modern sequencing technologies. *Nature Reviews Genetics* , **2019**, 20, 157-172	30.1	61
210	Integrative approach to sporadic Alzheimer's disease: deficiency of TYROBP in cerebral A amyloidosis mouse normalizes clinical phenotype and complement subnetwork molecular pathology without reducing A burden. *Molecular Psychiatry*, **2019**, 24, 431-446	15.1	31
209	Integrative approach to sporadic Alzheimer's disease: deficiency of TYROBP in a tauopathy mouse model reduces C1q and normalizes clinical phenotype while increasing spread and state of phosphorylation of tau. *Molecular Psychiatry*, **2019**, 24, 1383-1397	15.1	26

208	STAR Chimeric Post for rapid detection of circular RNA and fusion transcripts. *Bioinformatics*, **2018**, 34, 2364-2370	7.2	16
207	Shared molecular neuropathology across major psychiatric disorders parallels polygenic overlap. *Science*, **2018**, 359, 693-697	33.3	547
206	Phase 2 Trial of Gemcitabine, Cisplatin, plus Ipilimumab in Patients with Metastatic Urothelial Cancer and Impact of DNA Damage Response Gene Mutations on Outcomes. *European Urology*, **2018**, 73, 751-759	10.2	67
205	Functional variants in the gene confer shared effects on risk for Crohn's disease and Parkinson's disease. *Science Translational Medicine*, **2018**, 10,	17.5	165
204	Integrated biology approach reveals molecular and pathological interactions among Alzheimer's A42, Tau, TREM2, and TYROBP in Drosophila models. *Genome Medicine*, **2018**, 10, 26	14.4	11
203	Genome Plasticity of -Defective Staphylococcus aureus during Clinical Infection. *Infection and Immunity*, **2018**, 86,	3.7	32
202	iPSC-derived familial Alzheimer's PSEN2 cholinergic neurons exhibit mutation-dependent molecular pathology corrected by insulin signaling. *Molecular Neurodegeneration*, **2018**, 13, 33	19	25
201	B Cell Defects Observed in Knockout Mice Are a Consequence of a Mutation Frequently Found in Inbred Strains. *Journal of Immunology*, **2018**, 201, 1442-1451	5.3	7
200	Impacts of incorporating personal genome sequencing into graduate genomics education: a longitudinal study over three course years. *BMC Medical Genomics*, **2018**, 11, 5	3.7	12
199	The human brainome: network analysis identifies HSPA2 as a novel Alzheimer’s disease target. *Brain*, **2018**, 141, 2721-2739	11.2	19
198	A Nasal Brush-based Classifier of Asthma Identified by Machine Learning Analysis of Nasal RNA Sequence Data. *Scientific Reports*, **2018**, 8, 8826	4.9	33
197	Global analysis of A-to-I RNA editing reveals association with common disease variants. *PeerJ*, **2018**, 6, e4466	3.1	16
196	Multiancestry genome-wide association study of 520,000 subjects identifies 32 loci associated with stroke and stroke subtypes. *Nature Genetics*, **2018**, 50, 524-537	36.3	536
195	The Mount Sinai cohort of large-scale genomic, transcriptomic and proteomic data in Alzheimer's disease. *Scientific Data*, **2018**, 5, 180185	8.2	144
194	Metagenomic binning and association of plasmids with bacterial host genomes using DNA methylation. *Nature Biotechnology*, **2018**, 36, 61-69	44.5	74
193	GJA1 (connexin43) is a key regulator of Alzheimer's disease pathogenesis. *Acta Neuropathologica Communications*, **2018**, 6, 144	7.3	37
192	Multiscale Analysis of Independent Alzheimer's Cohorts Finds Disruption of Molecular, Genetic, and Clinical Networks by Human Herpesvirus. *Neuron*, **2018**, 99, 64-82.e7	13.9	357
191	Functional regulatory mechanism of smooth muscle cell-restricted LMOD1 coronary artery disease locus. *PLoS Genetics*, **2018**, 14, e1007755	6	15

190	GWAS and colocalization analyses implicate carotid intima-media thickness and carotid plaque loci in cardiovascular outcomes. *Nature Communications*, **2018**, 9, 5141	17.4	64
189	Integrative transcriptome analyses of the aging brain implicate altered splicing in Alzheimer's disease susceptibility. *Nature Genetics*, **2018**, 50, 1584-1592	36.3	162
188	Temporal genetic association and temporal genetic causality methods for dissecting complex networks. *Nature Communications*, **2018**, 9, 3980	17.4	2
187	Detection of endometrial precancer by a targeted gynecologic cancer liquid biopsy. *Journal of Physical Education and Sports Management*, **2018**, 4,	2.8	7
186	Expression-based drug screening of neural progenitor cells from individuals with schizophrenia. *Nature Communications*, **2018**, 9, 4412	17.4	39
185	Mapping and characterizing N6-methyladenine in eukaryotic genomes using single-molecule real-time sequencing. *Genome Research*, **2018**, 28, 1067-1078	9.7	48
184	The asthma mobile health study, smartphone data collected using ResearchKit. *Scientific Data*, **2018**, 5, 180096	8.2	28
183	Melanocortin 4 Receptor Pathway Dysfunction in Obesity: Patient Stratification Aimed at MC4R Agonist Treatment. *Journal of Clinical Endocrinology and Metabolism*, **2018**, 103, 2601-2612	5.6	31
182	From smartphone to EHR: a case report on integrating patient-generated health data. *Npj Digital Medicine*, **2018**, 1, 23	15.7	36
181	Psychological and behavioural impact of returning personal results from whole-genome sequencing: the HealthSeq project. *European Journal of Human Genetics*, **2017**, 25, 280-292	5.3	42
180	Heterozygous Pathogenic Variant in DACT1 Causes an Autosomal-Dominant Syndrome with Features Overlapping Townes-Brocks Syndrome. *Human Mutation*, **2017**, 38, 373-377	4.7	8
179	Rationale and Design of Family-Based Approach in a Minority Community Integrating Systems-Biology for Promotion of Health (FAMILIA). *American Heart Journal*, **2017**, 187, 170-181	4.9	10
178	Systematic Evaluation of Pleiotropy Identifies 6 Further Loci Associated With Coronary Artery Disease. *Journal of the American College of Cardiology*, **2017**, 69, 823-836	15.1	146
177	Deficiency of TYROBP, an adapter protein for TREM2 and CR3 receptors, is neuroprotective in a mouse model of early Alzheimer's pathology. *Acta Neuropathologica*, **2017**, 134, 769-788	14.3	55
176	Identification of a novel somatic mutation in a -mutated corticotroph adenoma. *Journal of Physical Education and Sports Management*, **2017**, 3, a001602	2.8	7
175	Directed Differentiation of Human Pluripotent Stem Cells to Microglia. *Stem Cell Reports*, **2017**, 8, 1516-1524		176
174	Large-Scale Identification of Common Trait and Disease Variants Affecting Gene Expression. *American Journal of Human Genetics*, **2017**, 100, 885-894	11	48
173	The Asthma Mobile Health Study, a large-scale clinical observational study using ResearchKit. *Nature Biotechnology*, **2017**, 35, 354-362	44.5	118

172	Analysis of Transcriptional Variability in a Large Human iPSC Library Reveals Genetic and Non-genetic Determinants of Heterogeneity. *Cell Stem Cell*, **2017**, 20, 518-532.e9	18	164
171	Human Pancreatic Cell lncRNAs Control Cell-Specific Regulatory Networks. *Cell Metabolism*, **2017**, 25, 400-411	24.6	139
170	Insights into beta cell regeneration for diabetes via integration of molecular landscapes in human insulinomas. *Nature Communications*, **2017**, 8, 767	17.4	47
169	Institutional profile: translational pharmacogenomics at the Icahn School of Medicine at Mount Sinai. *Pharmacogenomics*, **2017**, 18, 1381-1386	2.6	13
168	Germline deletion of Krppel-like factor 14 does not increase risk of diet induced metabolic syndrome in male C57BL/6 mice. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2017**, 1863, 3277-3285	6.9	12
167	Association of Body Mass Index with DNA Methylation and Gene Expression in Blood Cells and Relations to Cardiometabolic Disease: A Mendelian Randomization Approach. *PLoS Medicine*, **2017**, 14, e1002215	11.6	162
166	Multiscale network modeling of oligodendrocytes reveals molecular components of myelin dysregulation in Alzheimer's disease. *Molecular Neurodegeneration*, **2017**, 12, 82	19	61
165	Cancer gene profiling in non-small cell lung cancers reveals activating mutations in JAK2 and JAK3 with therapeutic implications. *Genome Medicine*, **2017**, 9, 89	14.4	23
164	CRISPR/Cas9-Correctable mutation-related molecular and physiological phenotypes in iPSC-derived Alzheimer's PSEN2 neurons. *Acta Neuropathologica Communications*, **2017**, 5, 77	7.3	73
163	Carbonyl reductase 1 catalyzes 20reduction of glucocorticoids, modulating receptor activation and metabolic complications of obesity. *Scientific Reports*, **2017**, 7, 10633	4.9	11
162	A functional genomics predictive network model identifies regulators of inflammatory bowel disease. *Nature Genetics*, **2017**, 49, 1437-1449	36.3	107
161	Association analyses based on false discovery rate implicate new loci for coronary artery disease. *Nature Genetics*, **2017**, 49, 1385-1391	36.3	361
160	Large meta-analysis of genome-wide association studies identifies five loci for lean body mass. *Nature Communications*, **2017**, 8, 80	17.4	88
159	Biallelic Mutations in MRPS34 Lead to Instability of the Small Mitoribosomal Subunit and Leigh Syndrome. *American Journal of Human Genetics*, **2017**, 101, 239-254	11	59
158	Integrative gene network analysis identifies key signatures, intrinsic networks and host factors for influenza virus A infections. *Npj Systems Biology and Applications*, **2017**, 3, 35	5	7
157	Integrative transcriptomic analysis reveals key drivers of acute peanut allergic reactions. *Nature Communications*, **2017**, 8, 1943	17.4	42
156	Gaining comprehensive biological insight into the transcriptome by performing a broad-spectrum RNA-seq analysis. *Nature Communications*, **2017**, 8, 59	17.4	130
155	A next generation sequencing based approach to identify extracellular vesicle mediated mRNA transfers between cells. *BMC Genomics*, **2017**, 18, 987	4.5	15

154	EXPLORING THE REPRODUCIBILITY OF PROBABILISTIC CAUSAL MOLECULAR NETWORK MODELS. *Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing*, **2017**, 22, 120-131	1.3	11
153	Genomic profiling reveals mutational landscape in parathyroid carcinomas. *JCI Insight*, **2017**, 2, e92061	9.9	50
152	Transcriptional dissection of melanoma identifies a high-risk subtype underlying TP53 family genes and epigenome deregulation. *JCI Insight*, **2017**, 2,	9.9	30
151	A phase I study of the safety and immunogenicity of a multipeptide personalized genomic vaccine in the adjuvant treatment of solid cancers.. *Journal of Clinical Oncology*, **2017**, 35, TPS3114-TPS3114	2.2	4
150	High-Throughput Characterization of Blood Serum Proteomics of IBD Patients with Respect to Aging and Genetic Factors. *PLoS Genetics*, **2017**, 13, e1006565	6	30
149	Motivations, concerns and preferences of personal genome sequencing research participants: Baseline findings from the HealthSeq project. *European Journal of Human Genetics*, **2016**, 24, 14-20	5.3	64
148	Inferred miRNA activity identifies miRNA-mediated regulatory networks underlying multiple cancers. *Bioinformatics*, **2016**, 32, 96-105	7.2	21
147	Meditation and vacation effects have an impact on disease-associated molecular phenotypes. *Translational Psychiatry*, **2016**, 6, e880	8.6	50
146	Cardiometabolic risk loci share downstream cis- and trans-gene regulation across tissues and diseases. *Science*, **2016**, 353, 827-30	33.3	166
145	Integrative functional genomics identifies regulatory mechanisms at coronary artery disease loci. *Nature Communications*, **2016**, 7, 12092	17.4	70
144	Reconstructing Causal Network Models of Human Disease **2016**, 141-160		2
143	Discover the network underlying the connections between aging and age-related diseases. *Scientific Reports*, **2016**, 6, 32566	4.9	28
142	Identification of Altered Metabolomic Profiles Following a Panchakarma-based Ayurvedic Intervention in Healthy Subjects: The Self-Directed Biological Transformation Initiative (SBTI). *Scientific Reports*, **2016**, 6, 32609	4.9	20
141	Extensive sequencing of seven human genomes to characterize benchmark reference materials. *Scientific Data*, **2016**, 3, 160025	8.2	345
140	O2-06-01: The Human Brainome: Human Brain Genome, Transcriptome, and Proteome Integration **2016**, 12, P237-P238		1
139	F2-01-01: Oligodendrocyte-Enriched Gene Networks Reveal Novel Pathways and Key Targets in the Pathogenesis of Alzheimer Disease **2016**, 12, P214-P214		
138	Integrative network analysis of nineteen brain regions identifies molecular signatures and networks underlying selective regional vulnerability to Alzheimer's disease. *Genome Medicine*, **2016**, 8, 104	14.4	135
137	variancePartition: interpreting drivers of variation in complex gene expression studies. *BMC Bioinformatics*, **2016**, 17, 483	3.6	201

136	Blood and Intestine eQTLs from an Anti-TNF-Resistant Crohn's Disease Cohort Inform IBD Genetic Association Loci. *Clinical and Translational Gastroenterology*, **2016**, 7, e177	4.2	21
135	Development and clinical application of an integrative genomic approach to personalized cancer therapy. *Genome Medicine*, **2016**, 8, 62	14.4	58
134	Cross-Tissue Regulatory Gene Networks in Coronary Artery Disease. *Cell Systems*, **2016**, 2, 196-208	10.6	81
133	exposures to environmental organic pollutants disrupt epigenetic marks linked to fetoplacental development. *Environmental Epigenetics*, **2016**, 2,	2.4	36
132	Molecular systems evaluation of oligomerogenic APP(E693Q) and fibrillogenic APP(KM670/671NL)/PSEN1(Δexon9) mouse models identifies shared features with human Alzheimer's brain molecular pathology. *Molecular Psychiatry*, **2016**, 21, 1099-111	15.1	8
131	New loci for body fat percentage reveal link between adiposity and cardiometabolic disease risk. *Nature Communications*, **2016**, 7, 10495	17.4	180
130	Variants in TRIM22 That Affect NOD2 Signaling Are Associated With Very-Early-Onset Inflammatory Bowel Disease. *Gastroenterology*, **2016**, 150, 1196-1207	13.3	69
129	Impact of Genomic Counseling on Informed Decision-Making among ostensibly Healthy Individuals Seeking Personal Genome Sequencing: the HealthSeq Project. *Journal of Genetic Counseling*, **2016**, 25, 1044-53	2.5	14
128	A Next Generation Multiscale View of Inborn Errors of Metabolism. *Cell Metabolism*, **2016**, 23, 13-26	24.6	55
127	Transgenic drosophila as a drug-screening platform in colorectal cancer and medullary thyroid cancer.. *Journal of Clinical Oncology*, **2016**, 34, e23164-e23164	2.2	2
126	Continuous Surveillance by Whole-Genome Sequencing to Identify and Manage Methicillin-Resistant Staphylococcus aureus Outbreaks. *Open Forum Infectious Diseases*, **2016**, 3,	1	1
125	S4-02-03: Accelerating Medicines Partnership: Co-Expression Networks **2016**, 12, P322-P322		
124	P4-027: Combing Evidence Across Multiple Cohorts for Systems-Based Target Discovery: the AMP-AD Knowledge Portal **2016**, 12, P1025-P1025		
123	P4-031: Integrative Network Analysis of Multiple Alzheimer's Disease Rnaseq Studies From the Accelerating Medicine Partnership-Alzheimer's Disease Consortium **2016**, 12, P1026-P1027		1
122	P4-278: Characterization of Basal Forebrain Cholinergic Neurons From Induced Pluripotent Stem Cells Harboring Familial Alzheimer's MUTATION PSEN2 N141I **2016**, 12, P1139-P1139		
121	Family-Based Approaches to Cardiovascular Health Promotion. *Journal of the American College of Cardiology*, **2016**, 67, 1725-37	15.1	40
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4	Single Cell-type Integrative Network Modeling Identified Novel Microglial-specific Targets for the Phagosome in Alzheimer disease		1
3	Multiscale causal network models of Alzheimer disease identify VGF as a key regulator of disease		4
2	Meta-analysis of the human brain transcriptome identifies heterogeneity across human AD coexpression modules robust to sample collection and methodological approach		14
1	Molecular Networks and Key Regulators of the Dysregulated Neuronal System in Alzheimer Disease		1